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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/762,793	01/22/2004	Tatsuo Yokota	ALPINE.035AUS	5428

7590 10/03/2005  
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EXAMINER

MANCHO, RONNIE M

ART UNIT PAPER NUMBER

3663

DATE MAILED: 10/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

*KL*

**Office Action Summary**

**Application No.**

10/762,793

**Applicant(s)**

YOKOTA, TATSUO

**Examiner**

Ronnie Mancho

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 January 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 8/13/04.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

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**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-30 are rejected under 35 U.S.C. 102(b) as being unpatentable over DeLorme et al (6321158).

Regarding claim 1, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose a display method for a navigation system, comprising the steps of:

examining a position of a destination and monitoring a current position of a user during a travel to the destination;

retrieving information on time zones and observation of daylight saving time at the current user position and the destination (page 12, item 9);

calculating an estimated time of arrival (ETA) at the destination based on a local time and daylight saving time of the destination using the retrieved information (col. 6, lines 33-49; col. 18, lines 5-49); and

informing the user of the ETA at the destination and a current time (col. 18, lines 5-49).

Regarding claim 2, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 1, wherein said current time informed by the navigation system is produced based on a local time and daylight saving

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time in a time zone at the current user position or on a local time and daylight saving time in a time zone of a home state of the user (col. 6, lines 33-49; col. 18, lines 5-49).

Regarding claim 3, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 1, wherein, when the destination is a POI (point of interest) selected from a POI database of the navigation system, said step of retrieving the information includes a step of retrieving business hour information of the destination POI (col. 9, lines 55-67; fig. 1J,).

Regarding claim 4, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 1, wherein, when the destination is a POI (point of interest), said step of retrieving the information includes a step of retrieving business hour information of the destination POI, and said step of informing the ETA (col. 5, lines 55-67) includes a step of displaying the business hour of the destination.

Regarding claim 5, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 4, wherein said step of retrieving business hour information of the destination POI includes a step of retrieving business hour information of other POIs in a neighborhood of the destination, and said step of informing the business hour of the destination includes a step of displaying the business hours of other POIs.

Regarding claim 6, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 1, further comprising: specifying a destination POI by selecting a POI (point of interest) from a POI database of the navigation system; retrieving business hour information of the destination POI; and comparing

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the ETA at the destination POI and the business hour information and informing an estimated open/close state of the destination POI at a time of arrival.

Regarding claim 7, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 1, further comprising: specifying a type or name of POIs (points of interest) in a neighborhood area of the destination from a POI database of the navigation system; retrieving business hour information of the POIs from the POI database or from a remote service provider through a wireless communication; and comparing the ETA at the destination and the business hour information of the POIs and informing estimated open/close states of the POIs at a time of arrival at the destination.

Regarding claim 8, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 1, further comprising: specifying a type of POIs (points of interest) in a neighborhood area of the destination from a POI database of the navigation system; retrieving business hour information of the specified type of POIs from the POI database or from a remote service provider through a wireless communication; comparing the ETA at the destination and the business hour information of the POIs; and listing the specified type of POIs sorted by distance from a reference location or the destination wherein each POI in the list is accompanied by an estimated remaining business hour at a time of arrival at the destination.

Regarding claim 9, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 8, wherein the estimated remaining business hours of the POIs in the neighborhood area of the destination are classified and displayed by availability icons using predetermined shapes or colors.

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Regarding claim 10, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 1, further comprising: specifying a type of POIs (points of interest) in a neighborhood area of the destination from a POI database of the navigation system; retrieving business hour information of the specified type of POIs from the POI database or from a remote service provider through a wireless communication; comparing the ETA at the destination and the business hour information of the POIs; and listing the specified type of POIs in the neighborhood area of the destination sorted by degrees of remaining business hour at a time of arrival at the destination.

Regarding claim 11, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 10, wherein the degrees of remaining business hours of the POIs in the neighborhood area of the destination are classified and displayed by time length icons using predetermined shapes or colors.

Regarding claim 12, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 1, further comprising a step of indicating a change of time zone when the current position is at a border or near the boarder of two or more different time zones.

Regarding claim 13, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 12, wherein said step of indicating the time zone change includes a step of displaying the time zone change on a screen, or both displaying and voice announcing the time zone change.

Regarding claim 14, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 12, wherein said step of

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indicating the time zone change is conducted without regard to whether the navigation system is in a route guidance mode for guiding the user to the destination or a mode other than the route guidance mode.

Regarding claim 15, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display method for a navigation system as defined in claim 1, wherein said step of calculating the ETA includes the steps of: calculating the ETA based on a local time at the destination if the destination belongs to a time zone different from the time zone at the current user position; calculating the ETA based on a local time at the current user position if the destination belongs to the same time zone as the time zone at the current user position; and compensating the ETA for a difference of daylight saving time when the daylight saving time is applied to either the destination or the current user position.

Regarding claim 16, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system, comprising: means for examining a position of a destination and monitoring a current position of a user during a travel to the destination; means for retrieving information on time zones and observation of daylight saving time at the current user position and the destination; means for calculating an estimated time of arrival (ETA) at the destination based on a local time and daylight saving time of the destination using the retrieved information; and means for informing the user of the ETA at the destination and a current time.

Regarding claim 17, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system as defined in claim 16, wherein said current time informed by the navigation system is produced based on a local time and daylight

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saving time in a time zone at the current user position or on a local time and daylight saving time in a time zone of a home state of the user.

Regarding claim 18, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system as defined in claim 16, wherein, when the destination is a POI (point of interest) selected from a POI database of the navigation system, said means for retrieving the information includes means for retrieving business hour information of the destination POI.

Regarding claim 19, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system as defined in claim 16, wherein, when the destination is a POI (point of interest), said means for retrieving the information includes means for retrieving business hour information of the destination POI, and said means for informing the ETA includes means for displaying the business hour of the destination.

Regarding claim 20, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system as defined in claim 19, said means for retrieving business hour information of the destination POI includes means for retrieving business hour information of other POIs in a neighborhood of the destination, and said means for informing the business hour of the destination includes means for displaying the business hours of other POIs.

Regarding claim 21, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system as defined in claim 16, further comprising: means for specifying a destination POI by selecting a POI (point of interest) from a POI database of the navigation system; means for retrieving business hour information of the destination POI;



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and means for comparing the ETA at the destination POI and the business hour information and informing an estimated open/close state of the destination POI at a time of arrival.

Regarding claim 22, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system- as defined in claim 16, further comprising: means for specifying a type or name of POIs (points of interest) in a neighborhood area of the destination from a POI database of the navigation system;; means for retrieving business hour information of the POIs from the POI database or from a remote service provider through a wireless communication; and means for comparing the ETA at the destination and the business hour information of the POIs and informing estimated open/close states of the POIs at a time of arrival at the destination.

Regarding claim 23, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system as defined in claim 16, further comprising: means for specifying a type of POIs (points of interest) in a neighborhood area of the destination from a POI database of the navigation system; means for retrieving business hour information of the specified type of POIs from the POI database or from a remote service provider through a wireless communication; means for comparing the ETA at the destination and the business hour information of the POIs; and means for listing the specified type of POIs sorted by distance from a reference location or the destination wherein each POI in the list is accompanied by an estimated remaining business hour at a time of arrival at the destination.

Regarding claim 24, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system as defined in claim 23, wherein the

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estimated remaining business hours of the POIs in the neighborhood area of the destination are classified and displayed by availability icons using predetermined shapes or colors.

Regarding claim 25, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system as defined in claim 16, further comprising: means for specifying a type of POIs (points of interest) in a neighborhood area of the destination from a POI database of the navigation system; means for retrieving business hour information of the specified type of POIs from the POI database or from a remote service provider through a wireless communication; means for comparing the ETA at the destination and the business hour information of the POIs; and means for listing the specified type of POIs in the neighborhood area of the destination sorted by degrees of remaining business hour at a time of arrival at the destination.

Regarding claim 26, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system as defined in claim 25, wherein the degrees of remaining business hours of the POIs in the neighborhood area of the destination are classified and displayed by time length icons using predetermined shapes or colors.

Regarding claim 27, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system as defined in claim 16, further comprising means for indicating a change of time zone when the current position is at a border or near the boarder of two or more different time zones.

Regarding claim 28, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system as defined in claim 27, wherein said means

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for indicating the time zone change includes means for displaying the time zone change on a screen, or both displaying and voice announcing the time zone change.

Regarding claim 29, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system as defined in claim 27, wherein said means for indicating the time zone change is conducted without regard to whether the navigation system is in a route guidance mode for guiding the user to the destination or a mode other than the route guidance mode.

Regarding claim 30, DeLorme et al (abstract, cols. ; figs. 1A to 1A1; Pages 4, 5, 9-22) disclose the display apparatus for a navigation system as defined in claim 16, wherein said step of calculating the ETA includes (col. 5, lines 55-67):

means for calculating the ETA based on a local time at the destination if the destination belongs to a time zone different from the time zone at the current user position (col. 18);

means for calculating the ETA based on a local time at the current user position if the destination belongs to the same time zone as the time zone at the current user position (col. 18);  
and

means for compensating the ETA for a difference of daylight saving time when the daylight saving time is applied to either the destination or the current user position (col. 18).

### ***Communication***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ronnie Mancho whose telephone number is 571/272/6894. The examiner can normally be reached on Mon-Thurs; 9-5.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Keith can be reached on 571/272/6878. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ronnie Mancho  
Examiner  
Art Unit 3663

9/30/05

  
JACK KEITH  
PRIMARY EXAMINER  
SPE 3663